

ABSTRACT

The present invention provides an electrostatic painting device with a transmission frequency adjustment device for automatically adjusting a transmission frequency in such a manner that the consumed current flowing in a high voltage booster circuit does not exceed a prescribed value. The present electrostatic painting device comprises a high-voltage booster circuit 201 provided in an electrostatic spray gun 2 to rectify a high frequency low voltage and generate a DC high voltage for electrostatic painting, a high-frequency low-voltage generator 1 provided independently of the electrostatic spray gun to generate a high frequency low voltage, a low-voltage cable 3 for connecting the high-frequency low-voltage to the high-voltage booster circuit, a current sensor 111 for detecting a current value corresponding to the intrinsic consumed current at the high-voltage booster circuit, and a frequency controller 107 and 112 for adjusting a frequency of a high frequency low voltage in such a manner that a current value detected by the current sensor does not exceed a predetermined value.